



Lisa\_Williams@fws.gov

03/09/2009 01:54 PM

To

Subject Indiana Bat Tree Roost Survey - Kalamazoo



On 3/4/09, Dr. Allen Kurta performed a survey for potential maternity colony roost trees in the Plainwell #2 project area along the Kalamazoo River. The purpose of the survey was to identify such trees within the project area so that they could be cut down during the inactive season of the bats (prior to April 1 when they might begin to return from their hibernation sites). We found a few scattered potential roost trees and then one bank area approximately 1400' long with a concentration of 7 potential roost trees (1 high quality, 1 low/medium, 5 low) at the upstream end of the project area.

As I described to several of you in the field or over the phone, the identified concentration of potential roost trees raised a concern about the potential for removing a primary roost tree along with all alternate roost trees. I have discussed this concern with Indiana bat and Endangered Species Act experts within the U.S. Fish and Wildlife Service and we have reached the conclusion that removal of the all of the identified potential roost trees prior to April 1 is not likely to adversely affect the Indiana bats. Even if Indiana bats have used the marked trees in previous years, it is our opinion that, given the surrounding habitat, sufficient alternative trees will be available within the approximately 2.5 mile radius foraging range of the bats that their reproduction will not be harmed by any extra expenditure of energy needed to locate alternate maternity roosting sites.

Although Dr. Kurta's map and GPS locations determined by Prein&Newhof and/or Arcadis will be more accurate, I've attached maps showing my notes on the approximate potential roost tree locations and the proposed PCB removal areas for quick reference from this e-mail. The concentration of potential roost trees sketched in on the first map (Figure 1) is in Removal Areas 1 and 2 as shown on the second map (Figure 12). The scale is on the second map and north is at the top for all 3 pages. (See attached file: Kz Plainwell 2 Bat survey.pdf)

So, thank you all for your excellent cooperation in assuring the protection of the Indiana bat...and let the chainsaws rip!

Sincerely,

Lisa L. Williams, Ph.D.  
U.S. Fish and Wildlife Service  
2651 Coolidge Road, Suite 101  
East Lansing, MI 48823  
(517) 351-8324 phone  
(517) 351-1443 fax  
lisa\_williams@fws.gov

The U.S. Fish and Wildlife Service's mission is, working with others, to conserve, protect and enhance fish, wildlife, and plants and their habitats for the continuing benefit of the American people.



Kz Plainwell 2 Bat survey.pdf



↑  
D  
↑  
F

G-M = 7 potential  
most trees  
5 low  
1 high-myle  
1 low-medium

KALAMAZOO RIVER STUDY GROUP  
ALLIED PAPER, INC./PORTAGE CREEK/  
KALAMAZOO RIVER SUPERFUND SITE  
PLAINWELL NO. 2 DAM AREA  
HYDRAULIC ANALYSIS

**PLAINWELL NO. 2 DAM AREA  
TARGETED REMOVAL AREAS - BASEMAP  
FOR INDIANA BAT SURVEY**

*drawn to scale*



FIGURE

**1**



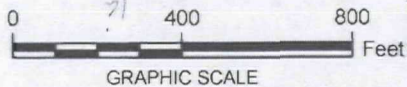
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KALAMAZOO RIVER STUDY GROUP  
 ALLIED PAPER, INC./PORTAGE CREEK/  
 KALAMAZOO RIVER SUPERFUND SITE  
 CONCEPTUAL DESIGN REPORT FOR BANK REMOVAL  
 AND RESTORATION PLAINWELL NO. 2 DAM AREA

### PLAINWELL NO. 2 DAM AREA TARGET REMOVAL AREAS



FIGURE  
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